

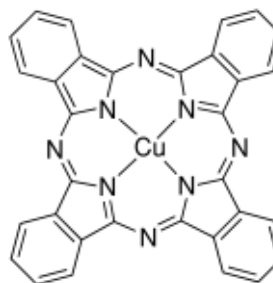
3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaldrich.com](http://www.sigmaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:  
Copper(II) phthalocyanine - triple-sublimed grade, >99.95% trace metals basis

Product Number: **702854**  
CAS Number: 147-14-8  
Formula: C<sub>32</sub>H<sub>16</sub>CuN<sub>8</sub>  
Formula Weight: 576.07 g/mol



### TEST

### Specification

Appearance (Color)	Purple
Appearance (Form)	Powder or Crystals
Infrared spectrum	Conforms to Structure
Wavelength	675 - 681 nm
Extinction Coefficient	≥ 11000
c = 0.005 g/L; Chloronaphthalene	
Carbon	65.7 - 68.4 %
Nitrogen	19.2 - 19.9 %
Titration by AgNO <sub>3</sub>	≤ 1.00 %
(% Cl)	
After Oxygen Combustion	
Water (by Karl Fischer)	≤ 0.5 %
ICP Major Analysis	Confirmed
Confirms Copper Component	
Trace Metal Analysis	≤ 500.0 ppm
Purity	Meets Requirements
> = 99.95% Based On Trace Metals Analysis	

Specification: PRD.2.ZQ5.10000031912

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.